PATENT COOPERATION TREATY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
LC05PCT042	ACTION as well	as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/KR2005/004439	22 DECEMBER 2005 (22.12.2005	0) 04 JULY 2005 (04.07.2005)
Applicant		-
LG CHEM, LTD. et al		
This International search report has been preport to Article 18. A copy is being transmitted to the	ared by this International Searching Authorit ne International Bureau.	y and is transmitted to the applicant according
This international search report consists of a to	otal of sheets. y of each prior art document cited in this repo	ort.
Basis of the report a. With regard to the language, the integrand language in which it was filed, unles	ernational search was carried out on the basis s otherwise indicated under this item.	s of the international application in the
The international search this Authority (Rule 23.1	was carried out on the basis of a translation of (b)).	f the international application furnished to
	and/or amino acid sequence disclosed in the	international application, see Box No. I.
2. Certain claims were found un	•	
3. Unity of invention is lacking (See Box No. III)	
4. With regard to the title,		
the text is approved as submitted	• • •	
the text has been established by	this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as submitted	by the applicant.	
<u> </u>	cording to Rule 38.2(b), by this Authority as	it annears in Box No. IV. The applicant
	date of mailing of this international search re	
6. With regard to the drawings,	•	
a. the figure of the drawings to be publi	ished with the abstract is Figure No.	
as suggested by the application		
because the applicant failed		
because this figure better ch	• •	
b. none of the figure is to be publis		

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2005/004439

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item1.b of the first sheet)
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
Almos ACCIVITATE
c. time of filing/furnishing
contained in the international application as filed
filed together with the international application in electronic form
furnished subsequently to this Authority for the purposes of search
<u> </u>
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

A. CLASSIFICATION OF SUBJECT MATTER

C08F 293/00(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) C08L 293/00, C12N 1/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	KR 1999-80695 A (KIM YOUNG BAIK, LEE YOUNG HA) NOV.15.1999 See the claims, abstracts	1-10.15
Α	US 6160084 A (MASSACHUSETTS INSTITUTE OF TECHNOLOGY) DEC.12.2000 See the whole documents	1

ation o	of Box C	١.
12	tion o	tion of Box C

See patent family annex.

- Special categories of cited documents:
- A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- O" document referring to an oral disclosure, use, exhibition or other
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

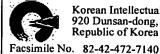
Date of the actual completion of the international search

05 APRIL 2006 (05.04.2006)

Date of mailing of the international search report

07 APRIL 2006 (07.04.2006)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2005/004439

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6160084 A	12.12.2000	EP 1056487 B1	12.05.2004
		WO 9942147 A1 JP 200250352 T2	26.08.1999 05.02.2002
KR 1999-80695 A	15.11.1999	NONE	